IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Paul, et al.

Application No.: 10/813.589 Group Art Unit: 2817

Examiner: SHINGLETON, MICHAEL B

Filed: 3/30/2004 Attorney Docket No.: SIL.P0078

Title: POWER AMPLIFIER CIRCUITRY

AND METHOD

SECTION 1.131 DECLARATION OF BRUCE A. JOHNSON

I, Bruce A. Johnson, hereby declare the following:

- I am the attorney of record of patent application Serial Number 10/813,589, filed on 3/30/2004, which is a continuation of co-pending commonly owned US patent application number 10/390,935 filed on March 18, 2003 (US Patent 6,788,141), entitled "Power Amplifier Circuitry And Method", which is a continuation of US patent application number 09/660,123 filed on September 12, 2000 (US Patent 6,549,071), entitled "Power Amplifier Circuitry And Method".
- The Examiner has cited Mandelman et al., US Patent 6,355,531, issued on March 12, 2002, and filed on August 9, 2000.
- I am the attorney that prepared parent patent application Serial Number 09/660,123 filed on September 12, 2000.
- 4. The inventors were in possession of the subject matter of the invention set forth in the patent applications listed in paragraph 1 earlier than the August 9, 2000 filing date of Mandelman et al. Attached as evidence is a copy of 2 pages of an invention disclosure document that I received by facsimile from inventor Timothy Dupuis describing the subject matter at question. The disclosure is signed and dated by inventor Timothy Dupuis. The dates on the disclosure document are redacted, but the facsmily transmission data is not, which indicates a transmission date of December 7, 1999.

- 5. From the time prior to August 9, 2000 to the filing date of September 12, 2000 (approximately 23 working days), I was working dilligently with the inventors to complete the patent application that was filed on September 12, 2000 and assigned Serial Number Number 09/660,123. This work included revising and finalizing the patent application.
- 6. I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

4/16/08

Date

Bruce A. Johnson

simplifies

RF POWER AMPLIFIER

1000	RF POWER AMPLIFIER	
Possible	Patentable Ideas	
(1) Basic	Architecture - Mos only output as direct drive	
	use of Sum and 35 um gate length all different loxide thickness devices) to	
brong	de a la la parent	
Dig	sital CMOS processes at sub-micron design rules 1-125 am) typically provide a high This is	:
	of provide SV drive chability in digital	
system	n 5•	- 1
the dr	is architective makes use of this device in the short channel devices are vegitives. The short channel devices are vegitives due to their high fit	
and H	hey do not see high voltages (0 > VDD)	on I
MI, M2, M	M3 gno min by the Volet	5.V
Vad of	E 2. Vob in this larchmeetive. Nedown of 6V is required. Wis can be ed with the sam devices.	2
1 1 1 1 1 1 1 1 1 1 1	- Later of the state of the sta	
This_	he her trues of the Line has he	P
- during	startup T(11 Aescribe in more details continues to look promising.	
	- La capacitor	
1-47	e use of an or chip of a with the CMC	ا ۽ ان

needed I

to VBATTERY.

A control circuit will use REG. I to provide as much power as it can before enabling REG. 2 to provide the difference (more on this later).

This will move some of the power to the Off-thip resistor.

9m Din